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MTSU Clean Energy Initiative Project Funding Request

There are five (5) sections of the request to complete before submitting. See <http://www.mtsu.edu/~sga/cleanenergy.shtml> for funding guidelines. Save completed form and email to cee@mtsu.edu or mail to MTSU Box 57.

1. General Information	
Name of Person Submitting Request Terri Carlton	
Department/Office Construction/Renovation Services	Phone # (Office) 615-898-5382
MTSU Box # 32	Phone # (Cell) 615-202-4787
E-mail Terri.Carlton@mtsu.edu	Submittal Date 02/22/2013

2. Project Categories (Select One)	
Select the category that best describes the project.	
<input checked="" type="checkbox"/> Energy Conservation/Efficiency	<input type="checkbox"/> Sustainable Design
<input type="checkbox"/> Alternative Fuels	<input type="checkbox"/> Other
<input type="checkbox"/> Renewable Energy	

3. Project Information
<p>a. Please provide a brief descriptive title for the project.</p> <p>b. The project cost estimate is the expected cost of the project to be considered by the committee for approval, which may differ from the total project cost in the case of matching funding opportunities. Any funding request is a 'not-to-exceed' amount. Any proposed expenditure above the requested amount will require a resubmission.</p> <p>c. List the source of project cost estimates.</p> <p>d. Provide a brief explanation in response to question regarding previous funding.</p>
3a. Project Title Mass Communications - Central corridor lighting improvements/efficiencies
3b. Project Cost Estimate \$63,000.00
3c. Source of Estimate Lighting contractor/consultant
3d. If previous funding from this source was awarded, explain how this request differs? no previous funding

4. Project Description

(Completed in as much detail as possible.)

- a. The scope of the work to be accomplished is a detailed description of project activities.
- b. The benefit statement describes the advantages of the project as relates to the selected project category.
- c. The location of the project includes the name of the building, department, and/or specific location of where the project will be conducted on campus.
- d. List any departments you anticipate to be involved. Were any departments consulted in preparation of this request? Who? A listing may be attached to this form when submitted.
- e. Provide specific information on anticipated student involvement or benefit.
- f. Provide information for anticipated future operating and/or maintenance requirements occurring as a result of the proposed project.
- g. Provide any additional comments or information that may be pertinent to approval of the project funding request.

4a. Scope: Work to be accomplished

Mass Communications - central corridor: Remove existing metal halide light fixtures and replace with new suspended LED light fixtures. Remove old-style can lights and replace with new LED can light fixtures.

4b. Scope: Benefit Statement

New fixtures will be much more energy and maintenance efficient with an estimated energy and man-power savings of \$5,800.00 the first year. Total project payback within 9 years.
An annual \$2,558.00 Kwh savings is expected.
An annual carbon footprint reduction of 31.81 metric tons of CO2 is expected.

New light fixtures will increase the ambient light (footcandles) in the area. More uniform and brighter light levels for all areas in the central corridor/stairwell/mezzanine.

4. Project Description (continued)
<p>4c. Location of Project (Building, etc.) John Bragg Mass Communications Building - Central corridor/mezzanine.</p>
<p>4d. Participants and Roles College of Mass Communications will review the fixtures for compatibility with adjacent recording studios and equipment. Construction/Renovation Services will oversee the project as proposed. Lighting contractor will perform all duties with existing fixture removal and new fixture installation.</p> <p>Lighting consultants reviewed the space and lighting requirements prior to this request.</p>
<p>4e. Student participation and/or student benefit Improved lighting levels and uniformity is expected to provide a more pleasing atmosphere for students who regularly use the Mass Comm central corridor for gathering, studying, etc...</p>
<p>4f. Future Operating and/or Maintenance Requirements It is expected that maintenance requirements will be reduced as a result of more efficient fixtures and lamps.</p> <p>Existing problems with fixture "buzzing" will be addressed and eliminated.</p>
<p>4g. Additional Comments or Information Pertinent to the Proposed Project</p>

5. Project Performance Information

Provide information if applicable.

- a. Provide information on estimated annual energy savings stated in units such as kW, kWh, Btu, gallons, etc.
- b. Provide information on estimated annual energy cost savings in monetary terms.
- c. Provide information on any annual operating or other cost savings in monetary terms. Be specific.
- d. Provide information about any matching or supplementary funding opportunities that are available. Identify all sources and explain.

5a. Estimated Annual Energy Savings (Estimated in kW, kWh, Btu, etc.)

Kwh Reduction: 51,150.00

5b. Annual Energy COST Savings (\$)

Kwh \$ Saved: \$2,558.00

5c. Annual Operating or Other Cost Savings. Specify. (\$)

Maintenance/Operations savings: \$3,253.00

5d. Matching or Supplementary Funding (Identify and Explain)

Unknown.